

Atty Docket No. 015389-002990US

PTO FAX NO.: 1.703.872.9306

ATTENTION: Examiner Malgorzata A. Walicka
TELEPHONE NO.: 1.703.305.7270

Group Art Unit 1652

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APR 01 2004

CERTIFICATION OF FACSIMILE TRANSMISSION

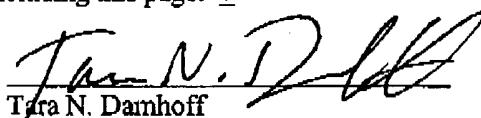
I hereby certify that the following document(s) in re Application of Thomas R. Cech et al., Application No. 10/054,295, filed January 18, 2002 for NOVEL TELOMERASE is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Document(s) Attached

1. Transmittal Form
2. Fee Transmittal
3. Supplemental Response (2 pages)
4. Terminal Disclaimer (re US Patent No. 6,465,789)
5. Terminal Disclaimer (re US Patent No. 6,261,836)

Number of pages being transmitted, including this page: 7

Dated: March 31, 2004


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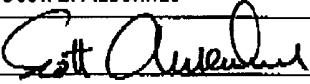
TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, CA 94111-3834
Telephone: 303-571-4000
Fax: 303-571-4321
60173648 v1

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/054,295
		Filing Date	January 18, 2002
		First Named Inventor	Thomas R. Cech
		Art Unit	1652
		Examiner Name	Malgorzata A. Walicka
Total Number of Pages in This Submission		Attorney Docket Number	015389-002990US

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input checked="" type="checkbox"/> Terminal Disclaimer (2) <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
		Remarks
The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.		

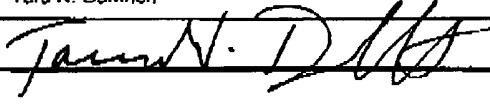
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APR 01 2004

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual	Townsend and Townsend and Crew LLP Scott L. Ausenhus Reg. No. 42,271	
Signature		
Date	March 31, 2004	

CERTIFICATE OF MAILING

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Typed or printed name	Tara N. Damhoff	
Signature		Date
March 31, 2004		

60165199 v1

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 220)

Complete If Known

Application Number	10/054,295
Filing Date	January 18, 2002
First Named Inventor	Thomas R. Cech
Examiner Name	Malgorzata A. Walicka
Art Unit	1652
Attorney Docket No.	015389-002990US

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account:

Deposit Account Number **20-1430**
 Deposit Account Name **Townsend and Townsend and Crew LLP**

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
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 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)		(\$0)	

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	<input type="text"/>	<input checked="" type="text"/> X <input type="text"/>	<input type="text"/>
Independent Claims	<input type="text"/>	<input checked="" type="text"/> X <input type="text"/>	<input type="text"/>
Multiple Dependent		X <input type="text"/>	<input type="text"/>

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1202 18	2202 9	Claims in excess of 20	
1201 88	2201 43	Independent claims in excess of 3	
1203 290	2203 145	Multiple dependent claim, if not paid	
1204 88	2204 43	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)		(\$0)	

** or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

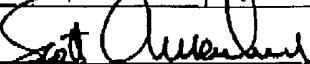
3. ADDITIONAL FEES	Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1051	130	2051	65	Surcharge - late filing fee or oath
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130	Non-English specification
1812	2,520	1812	2,520	For filing a request for reexamination
1604	920*	1804	920*	Requesting publication of SIR prior to Examiner action
1605	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action
1251	110	2251	55	Extension for reply within first month
1252	420	2252	210	Extension for reply within second month
1253	950	2253	475	Extension for reply within third month
1254	1,480	2254	740	Extension for reply within fourth month
1255	2,010	2255	1,005	Extension for reply within fifth month
1401	330	2401	165	Notice of Appeal
1402	330	2402	165	Filing a brief in support of an appeal
1403	290	2403	145	Request for oral hearing
1451	1,510	1451	1,510	Petition to institute a public use proceeding
1452	110	2452	55	Petition to revive - unavoidable
1453	1,330	2453	665	Petition to revive - unintentional
1501	1,330	2501	665	Utility issue fee (or reissue)
1502	460	2502	240	Design issue fee
1503	640	2503	320	Plant issue fee
1460	130	1460	130	Petitions to the Commissioner
1807	50	1807	50	Petitions related to provisional applications
1806	180	1806	180	Submission of Information Disclosure Stmt
8021	40	8021	40	Recording each patent assignment per property (times number of properties)
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.128(a))
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.128(b))
1801	770	2801	385	Request for Continued Examination (RCE)
1802	900	1802	900	Request for expedited examination of a design application
Other fee (specify)		Terminal Disclaimer To Obviate A Double Patenting Rejection Over A Prior Patent (2 x 110)		220

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$220)

SUBMITTED BY

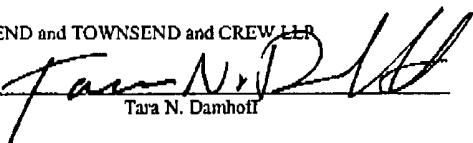
Name (Print/Type)	Scott L Ausenhus	Registration No. (Attorney/Agent)	42,271	Telephone	303-571-4000
Signature			Date	March 31, 2004	

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TOWNSEND and TOWNSEND and CREW LLP

By: 

Tara N. Damhoff

PATENT

Attorney Docket No.: 015389-002990US

Client Ref. No.: 018/184C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Thomas R. Cech et al.

Application No.: 10/054,295

Filed: January 18, 2002

For: NOVEL TELOMERASE

Customer No.: 20350

Confirmation No. 6534

Examiner:

Technology Center/Art Unit: 1646

SUPPLEMENTAL RESPONSE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This response is supplemental to the response filed on February 23, 2004, which was a complete response to the Office Action mailed on October 21, 2003.

Remarks/Arguments begin on page 2 of this paper.